

## **Alaska Energy Cost Reduction Program Progress Report**

**Grantee:** Alaska Power & Telephone Company

**Project Name:** Upper Lynn Canal Power Supply Projects (Denali)

**Financial Assistance Award # 296-07**

**Period of Report:** Fourth Quarter 2007 (October 1, 2007 to December 31, 2007)

### **Project activities completed:**

- Complete the road extension to the dam site utilizing temporary low water creek crossing.
- Job trailer, tool containers and equipment shifted to upper work site.
- Establish temporary power and communications to the upper work site.
- Bridge abutment design was submitted to FERC and approved.
- North bridge abutment was completed and south abutment begun.
- Final dam design was submit to FERC and approved.
- Dam location and elevations completed by a contract surveyor.
- Cofferdam diverting water away from the sluiceway and intake area installed.
- Completed penstock and thrust block installations up to survey station 16+00.
- All major powerhouse equipment received and transported.

### **Project existing or potential problems:**

Normal equipment problems have increased with winter operations. Access to the job via boat and the mile of steep road will become challenging or impossible at times due to extreme cold and snowfall. Concrete pours are problematic with below freezing temperatures. The diversion dam has to be built during the low water period prior to spring thaws. Maintaining the schedule will be crucial to accomplishing this task.

### **Activities targeted for next reporting period, First Quarter 2008:**

- Complete the South bridge abutment and backfill both abutments.
- Assemble the bridge and complete the approaches.
- Complete temporary shelters to provide sheltered work areas.
- Relocate construction equipment sheds and establish power to dam site.
- Construct the dam sluiceway, forebay and intake walls.
- Move cofferdam to divert water through the sluiceway.
- Excavate and begin construction of the North dam abutment.